THE

# NATIONAL GEOGRAPHIC MAGAZINE

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# National Geographic Magazine

# AN ILLUSTRATED MONTHLY

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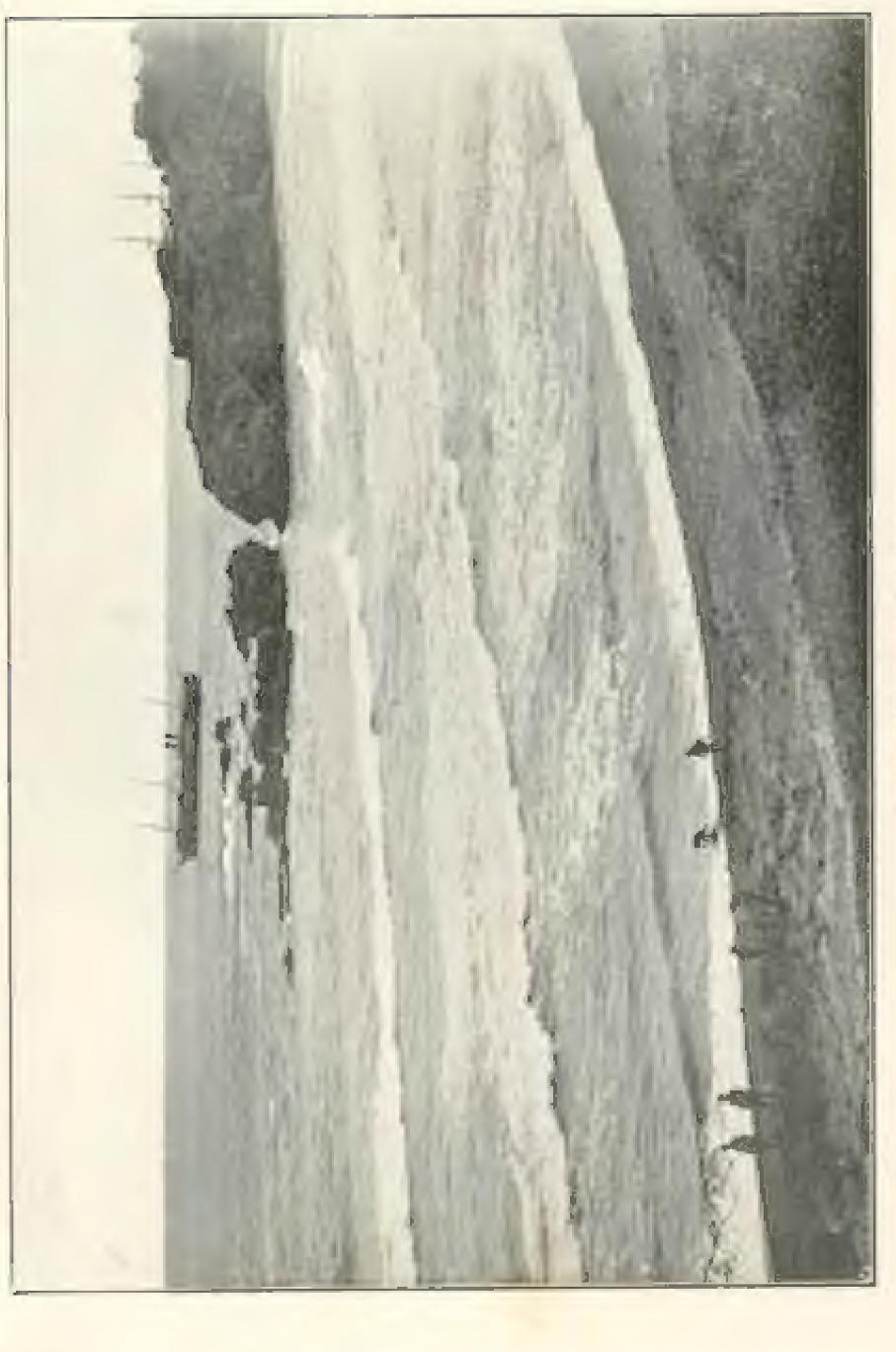
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## ANNALUM STRUCK STRUCKT II. GROSVINOR Washington D. C.

The list of contributors to the National Community Manager includes nearly every United States critizen whose those has become identified with Arctic explanation, the Bering Sea contributors, the Alaska and Venumela besteady disputes, or the new contributors and political questions grising from the acquisition of the Philippinos.

The following actives will appear in the Magazine within the next few months:

- to The Greath of the remary, by Professor J. L. Beel of Howard University.
- The Titles of Motion " by Comed E. Marthus T. S. Coolington Servey.
- The Americalism of the West," by F. H. Newell, Hydrographer, H. S. Geological Survey.
- "The Greath of Englant," by the Balwin D. Ment, Editor of the New England
- I The Name Tries of Patagonie," by Mr J. H. Harrise of the Carnegle Moscows.
- placetions on the Yanguse Kime, Chang," by Mr Win Petrlay Parsons, C. E., noive yor of the railway route through the Yangton Kime, Valuey



NAT. BESS, MAG.

#### THE

# NATIONAL GEOGRAPHIC MAGAZINE

Vot. X1

JUNE 1100

Sec. 6.

## THE ROAD TO BOLIVIA

By WILLIAM E. CUBTIS

It takes seven days to make the royage from New York to the Isthmus; three days from New Orleans, and two from Tampa; but the latter routes are impracticable on account of the quarantine regulations. There is always more or less fever at the Isthmus. It is difficult to keep it away, because Colon and Panama are filled with human driftwood and are asylums for refugees from plagues, politics, and estiminal courts. The last yellow fever was brought to Panama, curcously enough by seven from the Philippine Islands. They are all dead but one. Panama is the home of political exiles, manuscosful revolutionists and banished presidents of the Central and South American republics. It has a fine hotel, a number of handsome residences, and no end of ruins, which have been accumulating since the time when the governor of the first colony on the American Continent began a history that has no parallel for conspiracy and intrigue on the American Continent.

I sually the voyage from New York is delightful. People always expect a little weather off Cape Hatterns, but when you pass that unlooky coost and ecose the Gulf Stream you put on lighter clothing and rejoice in the trade winds which temper the heat of the tropics. The days and nights are of equal length. The sunsets are as gorgeous as you see on the Mediterrapean, and there is no twilight. The sun riespromptly at the time appointed in the almanae, and when his day's work is done be drops below the horizon as a tired sailor tumbles into his bunk.

As an Irishman would say, the first hand you see is a lighthouse, striped like a stick of caudy, that marks Watlings Island, where Co-bambuz stumbled upon a new world. There is a little settlement of negroes and a white magnitude to represent the sovereignty of Queen

Victoria. After baying Watlings the steamer treats is may through the Eshama Archipsiago, giving the passengers a panetum of could islands, where the sponge-fishers live groves of consecuti trees, and lonely lighthouses that guide the ship to Colon which from the deck of a steamer is one of the profficst towns on the coast, but when you get ashore is a desappointment and a delimine. The horbor is included with beautiful hills, whose bright-green folings never fades, and groups of palmerned hally to each other action while the reflection of their own beauty in the water. The paint is the practice of plants. It is the most general tree that grows, but you can't be professed it for being so wan and concerted.

The ratiroad company occupies one end of the town with shops and boarding-houses, and at the other end is a group of ornate and alaborate singerbread rilias erected for the comfort of the large and lux-urious staff of the canal company. They had clubs, billiard ruous, libraries, hospitals, and everything that a colony or cultured gentlemen could desire except churches. The French christ red the canal company Christo Colombo, but the Americans call it Colon. One of the most beautiful and costly and at the same time impropriets statues to the great discoverer overlooks the entrares to the canal. It was erected by the ex-Empress Engenie, and represents Columbate to the gard of a student, with a benigh expression on his countenance and bis bands resting on the tresses of a proughing Indian girl.

A surprising amount of work has been done by the l'anania Canal Company, contrary to an almost universal misconception that exists among the American people. De Lessape dug two ditches, each about 18 miles in length, from Colon and Panama toward the center of the lethnous, which are now partially filled with debris. The new company has been working in the interior, cutting through the summit of the continental divide, which here rises only out feet since the sen, and, with one exception is the lowest point of hard between Bering Sea and the Straits of Magellan. The great obstole that sunds in the way of the Panama Canal is the Chagris River, which receives the drainage of a large area and is perhaps the most depended and unreliable stream in existence. There are two seasons, the wet and the dry. For five months it rails a torrent every day, a rainfall of about four foot a mouth. The remainder of the year there is no rain at all. Thus for five months the Chagres River is a Ningara, and for reven months a shallow, stagmant stream. The problem is to regulate the rainfall so that it will not wash the canal away in the wet senson and have the upper levels without water in the dry.



STREET, TOTAL STREET, PARKET

Panaton is one of the oldest and quaintest towns in America. Santo Domingo antedates it a few years, but it was the first settlement on them forms and the rains of the original city still be on the shore of the bay four raites south as they were left by Morgan, the factors buccancer, who burned and blew up 7,000 houses. The present city dates back to 1675. In 1879 it was the principal station on the route to California. In 1879 the Frenchmen came with their millions, and everybody had money to barn. Then after a hysterical period, Panama settled down to the eleepy existence which it stair retains. The harbor is sometiful, and a group of islands lying about two tailes from the city is the headquarters of several steamship contepantes which furnish transportation facilities for the west coast of America.

The voyage from Panama south is one of the most faccioning and comfortable that the sait water affords. You are always sure of the weather, the ships, and a good sea. It never most, it never thous, and the swell is not heavy enough to make occupary people seasies. From Chayaguil to Valuataise the passengers are almost always in

sight of the Amies, whose fact are buried in the desert lands, whose breasts are wrapped to the formy monds and whose peaks are crowned with spotless snow. The spectacle of the Chimborazo rising like a king among an army of Titans is surpassed by few mountain views, and the scenery during the entire distance is always picturesque.

The temperature south of Panama is much cooler than north of the Isthmus, for the heat is tempered by the Humboldt Current, a cold stream that comes up from the Antarctic zone to cool the atmosphere of the west coast, just as the Gulf Stream brings the worm waters of the tropics to moderate the climate of Europe and North America; for you know that if it were not for the Gulf Stream overybody in New England would be living like the Eskimo and potatoes would not grow in Ireland.

We crossed the equator at six o'clock, Suaday, July 2, 1899. The thermometer stood at seventy-six degrees in the chart-room, on the chardy side of the ship, and at seventy-sight degrees in the comparison way leading to the disting-room. On the Fourth of July, three degrees south of the equator, it was seventy-six at noon and eighty-one at four o'clock.

From the deck of the steamer in the evening, Gunyaqual looks like a little Parie. It lies along the bank of the River Chayan, and the tonin street, called El Malecon stretches for two miles or more from a shippard to a fortpess-trowned hill with two decrepit old guns. which are supposed to protect the harbor. El Malecon appears to be lined with long blocks of beautiful marble and stone, and in the evening is brilliantly Riuminated. Here appears a row of painces. then a group of clubs and beyond a series of blazing ball-rooms. In the morning from shipboard the illusion is not dispelled, and the view is quite as imposing. The architecture is pure and graceful. much of the Moorish order, and the rest on more delicate line -- lone arendes like those on the Rue de Rivoli or the Points Royals of Paris, and above them balconies sheltered by blinds and awnings of gay canvas have an oriental look. A little milway, with tiny care drawn by diminutive locomotives, carries heavy loads of merchandise, cocoaand sugar between the docks and the warehouses.

An interesting kind of craft on Gunyas River was called caballins, or "little horses," which consists of bundles of rushes and reeds lashed together and forming a narrow float or rait that tapers off at one and like a gandola. They are as difficult to handle as a canno, and are used chiefly for fishing. The coballins look very fruit and

dangerous when you see them in the water, but it is impossible to sink them.

When you leave the Genyas River to go southward you strike the Zona Seen," the desert coast, as soon as you pass the boundary of Peru. The steamer follows the shore as closely as safety will allow. The our has pounded it until the soft places have yielded nod its present outlines resemble the wind-carved cliffs on the American desert, and scattered along are many islands gray with guano, dropped by the millions of water highs that make their home along the way-worn and forbibling shore. There are a few indifferent harbors, but most

of the towns he upon the unprotected
beach, and communication between
the steamer and the
shore is carried on
in large lamebes,
made so buoyant
that they role safely
through the surf.

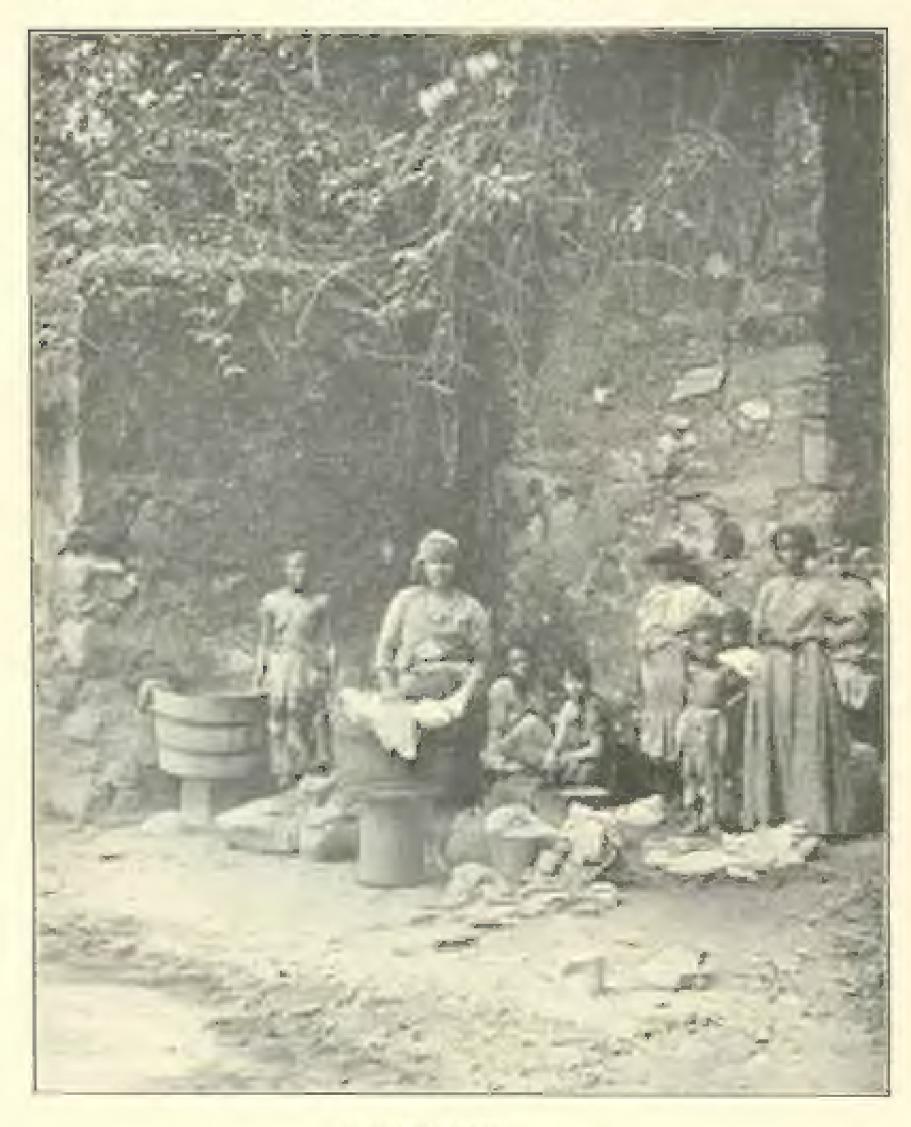
Like the arid lands of Arizona and southern California, the desert coast of Peru is rich in vegetable life wherever it can be moistened. About once in a generation a whorever excepts



a PARASTERS

from the monatains, and the bitherto lifeless earth is immediately illuminated with fruits and flowers whose germs have him dermant from remote eveles. In 1892 there fell a series of unprecedented rains. The desert was alive with plants and blessoms where nothing but lifele sand had been before and where the secon came from is a question no one has ever been able to answer.

The steamer stops at every town for an hour or two, long enough to take on and discharge cargo, and the passenger can a school and enjoy diversions from the voyage which are always interesting. We saw innerth and weddings and busy markets and many queer things unique to this locality.



PRINTER VALUE AND ADDRESS.

Back of the port of Pacasonayo, across the describend the first mount take range, is the town of Caxamarea, where the traveler may still see the remains of the palace in which Piatero and his legious strangled Atahuajpa, the last of the Ineas, and butchered the members of los court after he had filled his prison with gold; and farther down the

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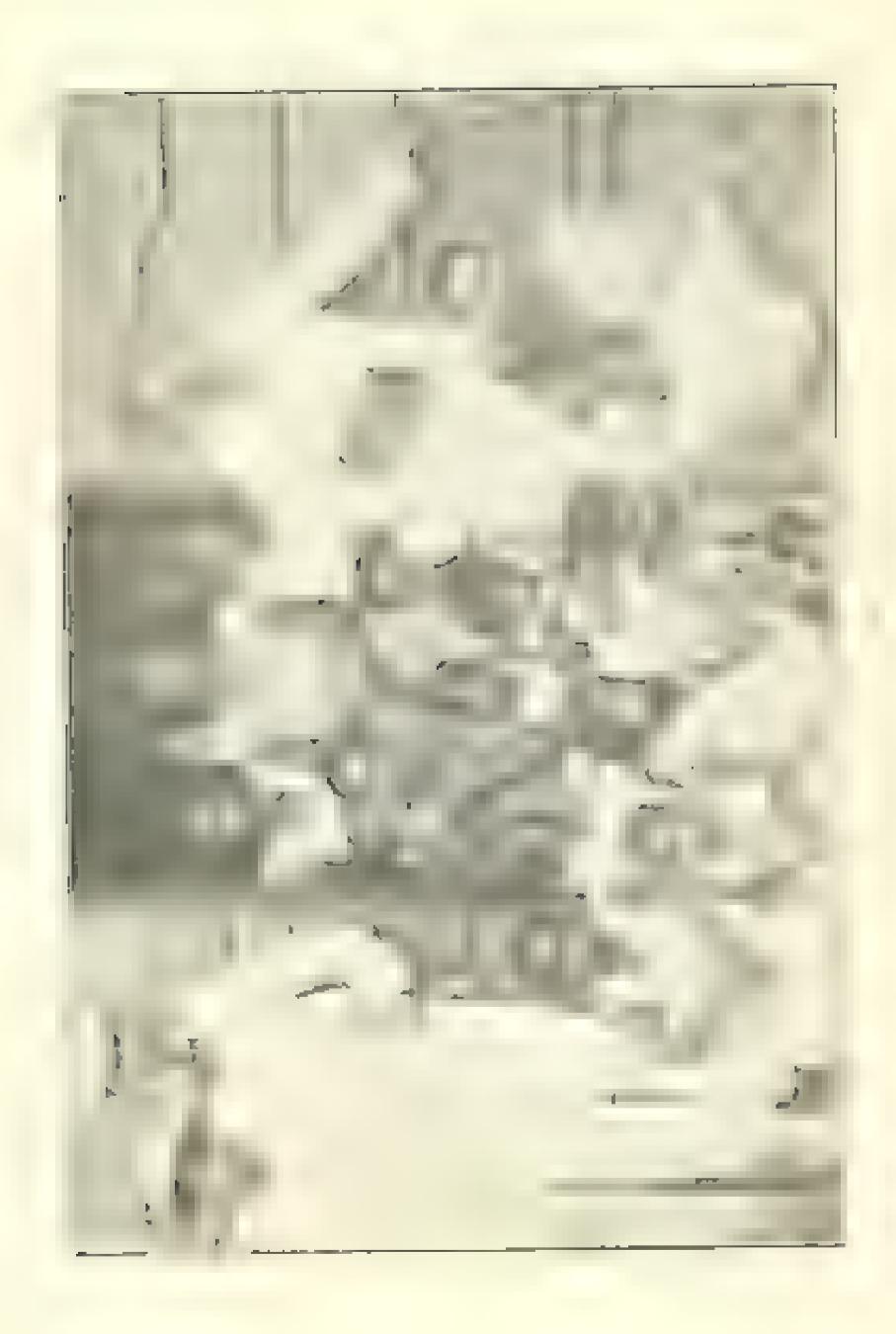
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### THE COLONIAL EXPANSION OF FRANCE

## hy Professor Jean C. Phace

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Meanest problem was expectance a brook. Now was her golden eponetrately in North America; but many causes in no wise consected with the enformal expectation of the meaner were at work to present her from making the medians of the representative.

FAMONS OF THE DAY CHRIST BRANCK TO BUILDAIN OR COGON ES IN

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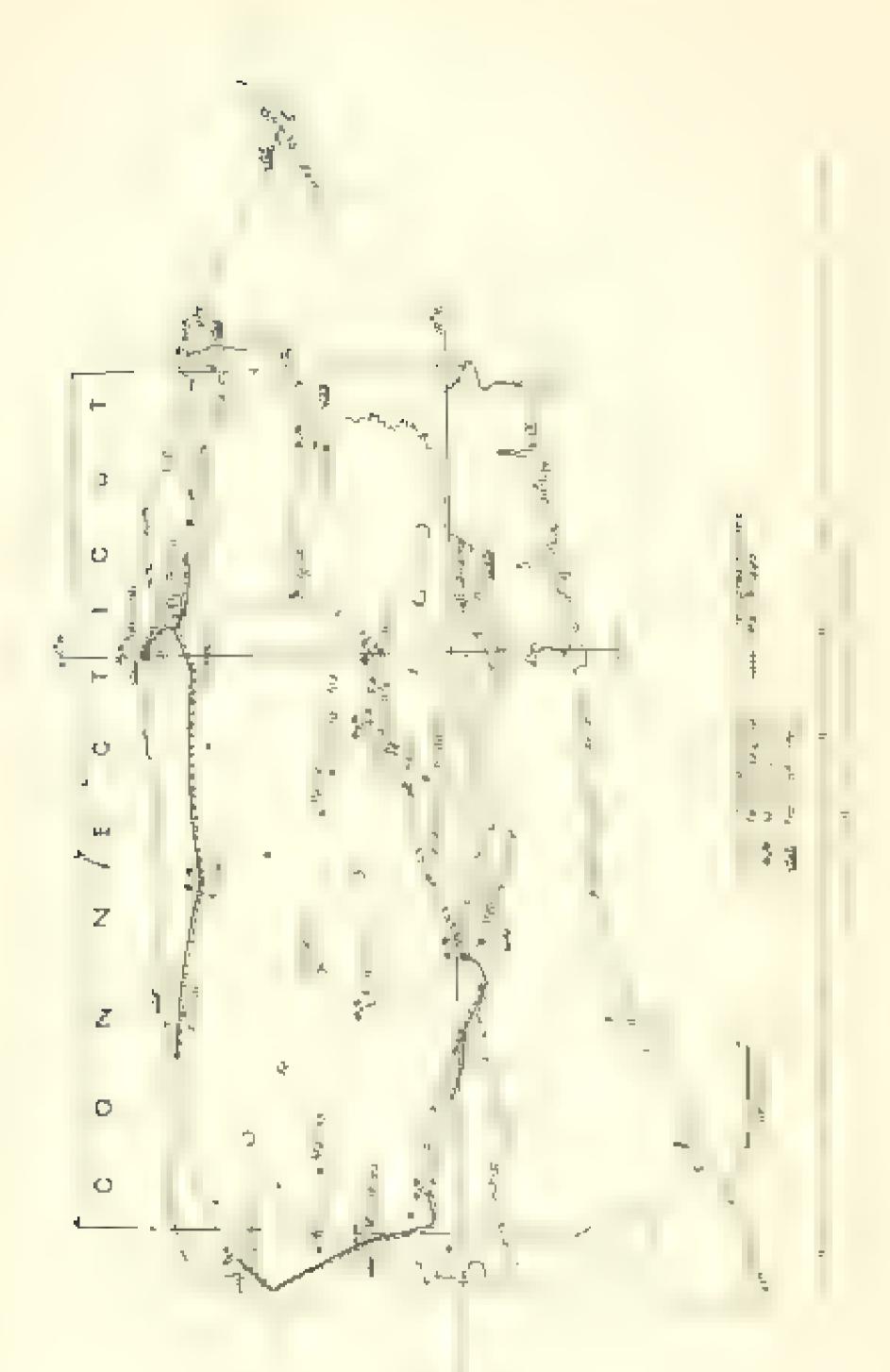
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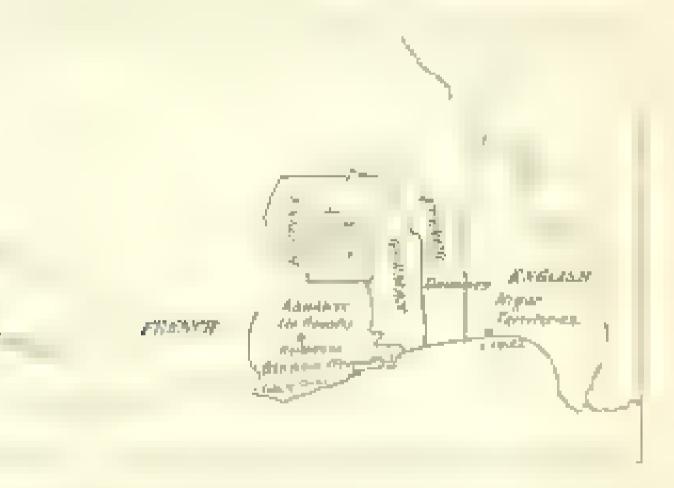
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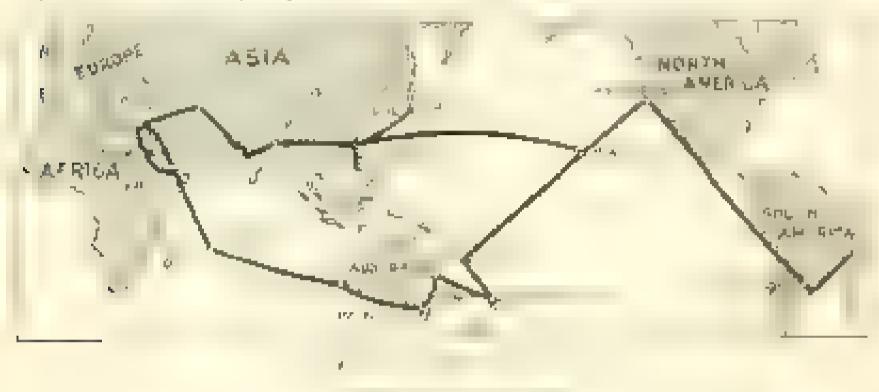
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## NATIONAL GEOGRAPHIC SOCIETY

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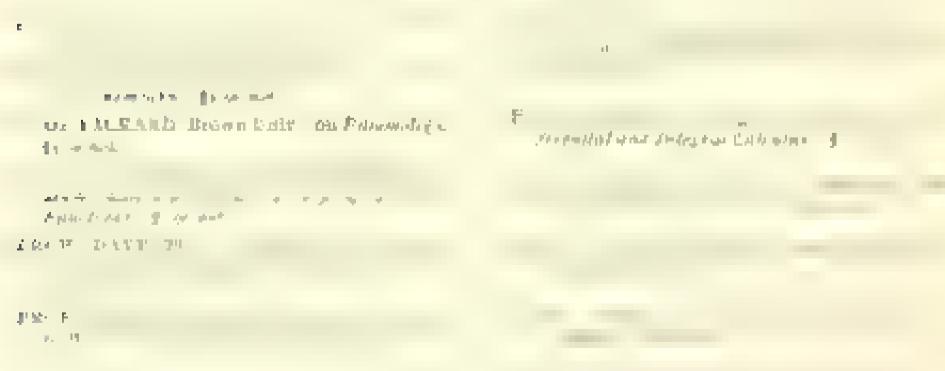
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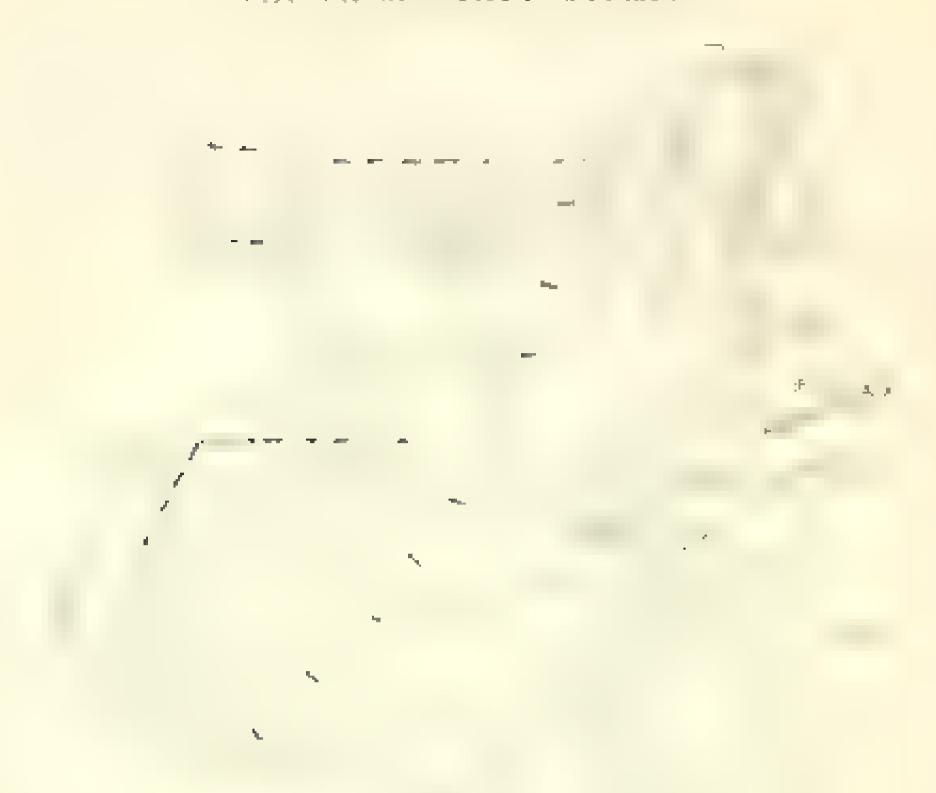
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